

ABSTRACT

Disclosed herein is an inflatable element which includes a base pipe, a screen disposed at the base pipe and an expandable material disposed radially outwardly of the base pipe and the screen. Further disclosed herein is an annular seal system wherein the system uses a particle laden fluid and pump for this fluid. The system pumps the fluid into an expandable element. Further disclosed herein is a method of creating a wellbore seal which includes pumping a solid laden fluid to an expandable element to pressurize and expand that element. Dehydrating the solid laden fluid to leave substantially a solid constituent of the solid laden fluid in the expandable element. Further disclosed herein is an expandable element that includes an expandable material which is permeable to a fluid constituent of a solid laden fluid delivered thereto while being impermeable to a solid constituent of the solid laden fluid.